Promita Bhattacharjee

List of Publications by Citations

22 papers	611 citations	13 h-index	22 g-index
22 ext. papers	771 ext. citations	6.3 avg, IF	4.25 L-index

#	Paper	IF	Citations
22	Silk scaffolds in bone tissue engineering: An overview. *Acta Biomaterialia*, **2017**, 63, 1-17	10.8	158
21	Non-mulberry silk fibroin grafted PCL nanofibrous scaffold: Promising ECM for bone tissue engineering. *European Polymer Journal*, **2015**, 71, 490-509	5.2	54
20	Designing Scaffolds for Corneal Regeneration. *Advanced Functional Materials*, **2020**, 30, 1908996	15.6	46
19	Hydroxyapatite reinforced inherent RGD containing silk fibroin composite scaffolds: Promising platform for bone tissue engineering. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2017**, 13, 1745-1759	6	41
18	Non-mulberry silk fibroin grafted poly (Ɛcaprolactone)/nano hydroxyapatite nanofibrous scaffold for dual growth factor delivery to promote bone regeneration. *Journal of Colloid and Interface Science*, **2016**, 472, 16-33	9.3	41
17	Carbon Nanofiber Reinforced Nonmulberry Silk Protein Fibroin Nanobiocomposite for Tissue Engineering Applications. *ACS Applied Materials & Interfaces*, **2017**, 9, 19356-19370	9.5	39
16	Animal trial on zinc doped hydroxyapatite: A case studyPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. *Journal of Asian Ceramic Societies*, **2014**, 2, 44-51	2.4	37
15	Investigating the potential of combined growth factors delivery, from non-mulberry silk fibroin grafted poly(e-caprolactone)/hydroxyapatite nanofibrous scaffold, in bone tissue engineering. *Applied Materials Today*, **2016**, 5, 52-67	6.6	34
14	Nanofibrous nonmulberry silk/PVA scaffold for osteoinduction and osseointegration. *Biopolymers*, **2015**, 103, 271-84	2.2	33
13	Potential of inherent RGD containing silk fibroin-poly (Ɛcaprolactone) nanofibrous matrix for bone tissue engineering. *Cell and Tissue Research*, **2016**, 363, 525-40	4.2	31
12	Potential of non-mulberry silk protein fibroin blended and grafted poly(Ɛcaprolactone) nanofibrous matrices for in vivo bone regeneration. *Colloids and Surfaces B: Biointerfaces*, **2016**, 143, 431-439	6	25
11	Non-mulberry silk fibroin grafted poly(Ɛcaprolactone) nanofibrous scaffolds mineralized by electrodeposition: an optimal delivery system for growth factors to enhance bone regeneration. *RSC Advances*, **2016**, 6, 26835-26855	3.7	18
10	Effect of substrate topography on the regulation of human corneal stromal cells. *Colloids and Surfaces B: Biointerfaces*, **2020**, 190, 110971	6	13
9	Potential for combined delivery of riboflavin and all-trans retinoic acid, from silk fibroin for corneal bioengineering. *Materials Science and Engineering C*, **2019**, 105, 110093	8.3	10
8	Effect of different mineralization processes on in vitro and in vivo bone regeneration and osteoblast-macrophage cross-talk in co-culture system using dual growth factor mediated non-mulberry silk fibroin grafted poly (Ɛcaprolactone) nanofibrous scaffold. *Colloids and Surfaces B: Biointerfaces*, **2017**, 156, 270-281	6	7
7	Significance of Crosslinking Approaches in the Development of Next Generation Hydrogels for Corneal Tissue Engineering. *Pharmaceutics*, **2021**, 13,	6.4	6
6	Development of nano-porous hydroxyapatite coated e-glass for potential bone-tissue engineering application: An in vitro approach. *Materials Science and Engineering C*, **2020**, 111, 110764	8.3	5

List of Publications

5	Silk fibroin-Thelebolan matrix: A promising chemopreventive scaffold for soft tissue cancer. *Colloids and Surfaces B: Biointerfaces*, **2017**, 155, 379-389	6	4
4	Fabrication and Biocompatibility of Electroconductive Silk Fibroin/PEDOT: PSS Composites for Corneal Epithelial Regeneration. *Polymers*, **2020**, 12,	4.5	4
3	Influence of micropatterned substrates on keratocyte phenotype. *Scientific Reports*, **2020**, 10, 6679	4.9	4
2	Role of calcium phosphate and bioactive glass coating on in vivo bone healing of new Mg-Zn-Ca implant. *Journal of Materials Science: Materials in Medicine*, **2021**, 32, 55	4.5	1
1	Silk-based matrices for bone tissue engineering applications **2018**, 439-472		